

## ABSTRACT

The present invention provides an improved process for preparing modafinil, whereby it may be isolated in high purity by a single crystallization. The process produces modafinil free of sulphone products of over-oxidation and other byproducts. The invention further provides new crystalline Forms II-VI of modafinil and processes for preparing them. Each of the new forms is differentiated by a unique powder X-ray diffraction pattern. The invention further provides pharmaceutical compositions containing novel modafinil Forms II-IV and VI.

09916885, 072701